

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 06157799
PUBLICATION DATE : 07-06-94

APPLICATION DATE : 18-11-92
APPLICATION NUMBER : 04333697

APPLICANT : FUKUNAGA JUICHI;

INVENTOR : FUKUNAGA JUICHI;

INT.CL. : C08J 9/02 C08G 18/08 C08L 75/04 // (C08G 18/08, C08G101:00) C08L 75:04

TITLE : PRODUCTION OF BIODEGRADABLE POLYURETHANE-BASED FOAM

ABSTRACT : PURPOSE: To obtain the subject foam mixable with biodegradable powder without liquefying, not dropping the powder, having a high biodegradation rate by using a monosaccharide as biodegradable powder.

CONSTITUTION: (A) A polyol component (e.g. polyhydric alcohol or polyester polyol) is reacted with (B) a polyisocyanate component (e.g. tolylene diisocyanate or diphenylmethane diisocyanate) in the presence of (C) 15-150 pts.wt. monosaccharide (e.g. D-glucose or D-fructose) based on 100 pts.wt. component A under an expanding condition to give the objective foam. The component C is usually mixed with the component A. Expansion is carried out by using a blowing agent such as water or CO₂. When another biodegradable substance is used together with the component C, preferably the amount of the component C is ≥15 pts.wt. based on 100 pts.wt. component A and the total amounts of the component C and another biodegradable substance is ≤150 pts.wt.

COPYRIGHT: (C)1994,JPO&Japio